#### IN THE CLAIMS:

Please amend the claims as follows (all claims listed):

- (Currently Amended) An apparatus comprising a symmetric differential domino carry generate circuit having true inputs with a first load and compliment inputs with a second loadwhich both have a load, wherein the load for the true inputs is equal to the load for the compliment inputs.
- (Previously presented) The apparatus of claim 1, wherein the circuit also has a
  true carry generate output and a compliment carry generate output which both have an output
  drive strength, and wherein the output drive strength for said true output is the same as the output
  drive strength for said compliment output.
- (Previously presented) The apparatus of claim 1, wherein the circuit further comprises:
- a first evaluation block having a plurality of transistors, wherein a number p of said transistors are connected in a parallel relationship and a number s of said transistors are connected in a serial relationship; and
- a second evaluation block having a plurality of transistors, wherein in the second evaluation block p transistors are connected in a parallel relationship and s transistors are connected in a serial relationship.

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- 4. (Previously presented) An apparatus comprising a differential domino carry generate circuit having a first evaluation block of switches and a second evaluation block of switches, wherein the first evaluation block and second evaluation block each have the same number of switches connected in parallel and each have the same number of switches connected in series, and wherein the circuit also has a true carry generate output and a compliment carry generate output which both have an output drive strength, and wherein the output drive strength for said true output is the same as the output drive strength for said compliment output.
- (Original) The apparatus of claim 4, wherein the switches in the first evaluation block and second evaluation block are N-channel metal-oxide semiconductor (NMOS) transistors
- (Original) The apparatus of claim 5, wherein corresponding transistors in the first evaluation block and second evaluation block are the same size.
- (Original) The apparatus of claim 4, wherein the apparatus further comprises cross-coupled P-channel metal-oxide semiconductor (PMOS) keeper transistors.
- (Original) The apparatus of claim 4, wherein the differential domino carry generate circuit is a first stage in a carry look-ahead adder.
- (Original) The apparatus of claim 4, wherein the differential domino carry generate circuit is a group generate gate.

## 10. (Previously presented) An apparatus comprising:

a first output to provide a precharge value during a precharge phase and a true carry generate value during an evaluation phase;

a second output to provide the precharge value during the precharge phase and the compliment of the true carry generate true during the evaluation phase;

a current input;

a first evaluation block connected to the current input and the second output and having a plurality of transistors, wherein a number of said transistors are connected in a parallel relationship and a number of said transistors are connected in a serial relationship, wherein the first evaluation block comprises a first transistor with a drain connected to the second output, a second transistor with a drain connected to the source connected to the current input, a third transistor with a drain connected to the second output, a fourth transistor with a drain connected to the source connected to the current input, and a fifth transistor with a drain connected to the second output and a source connected to the drain of the fourth transistor; and

a second evaluation block connected to the current input and the first output and having a plurality of transistors, wherein the second evaluation block has the same number of transistors connected in a parallel relationship as the first evaluation block and the same number of transistors connected in a serial relationship as the first evaluation block.

 (Original) The apparatus of claim 10, wherein the output drive strength for the first output is the same as the output drive strength for the second output. Serial No. 09/956,903 Amendment dated November 13, 2007 Office Action dated May 11, 2007

12. (Previously presented) The apparatus of claim 10, wherein the circuit further

comprises a clock input to receive a clock having precharge and evaluation phases.

(Previously presented) The apparatus of claim 12, wherein the current input is a

transistor having a source node connected to ground and a gate connected to the clock input.

14. (Original) The apparatus of claim 13, wherein the gate of each transistor in the

first evaluation block is connected to one of a set of true inputs and the gate of each of the

transistors in the second evaluation block is connected to one of a set of compliment inputs, and

wherein the load for the true inputs is the same as the load for the compliment inputs.

15. (Cancelled)

16-19. (Cancelled).

(Previously presented) An apparatus comprising:

a true sum to provide a precharge signal during the precharge phase and the result

of a sum function during the evaluation phase;

a compliment sum output to provide the precharge signal during the precharge

phase and the compliment of the true sum output during the evaluation phase;

a current input;

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a first evaluation block connected to the current input, the true sum output, and the compliment sum output, wherein the first evaluation block has a plurality of transistors, and wherein a number of said transistors are connected in parallel and a number of said transistors are connected in serial, wherein the first transistor has a drain connected to the compliment sum output, the second transistor has a drain connected to the source of the first transistor and a source connected to the drain of the fifth transistor, the third transistor has a drain connected to the true sum output, the fourth transistor has a drain connected to the source of the third transistor and a source connected to the drain of the fifth transistor, and the fifth transistor has a source connected to the current input; and

a second evaluation block connected to the current input and the true sum output and having a plurality of transistors, wherein the second evaluation block has the same number of transistors connected in parallel as the first evaluation block and the same number of transistors connected in serial as the first evaluation block.

 (Original) The apparatus of claim 20, wherein the output drive strength for the true sum output is the same as the output drive strength for the compliment sum output.

### (Cancelled)

23. (Previously presented) The apparatus of claim 20, wherein the gate of the first transistor is connected to an exclusive-OR input, the gate of the second transistor is connected to a first generate input, the gate of the third transistor is connected to a compliment exclusive-OR

input, the gate of the fourth transistor is connected to a second generate input, and the gate of the fifth transistor is connected to a propagate input.

 (Original) The apparatus of claim 20, wherein the transistors in the first evaluation block and second evaluation block are N-channel metal-oxide semiconductor (NMOS) transistors.

# 25. (Currently Amended) A method comprising:

receiving at a first evaluation block three true input values;

receiving at a second evaluation block three compliment input values, wherein the compliment input values are the compliment of the true input values:

processing the compliment input values at the second evaluation block to provide a carry generate value at a first output by selecting one of a plurality of stacks of transistors in the second evaluation block, wherein each of said stacks of transistors connects a current input to the first output; and

processing the true input values at the first evaluation block to provide the compliment of the carry generate value at a second output by selecting one of a plurality of stacks of transistors in the first evaluation block, wherein each of said stacks of transistors connects said current input to the second output, and wherein the first evaluation block and second evaluation block have the same number of stacks of transistors, and further wherein a drain of each of transistors is connected to one of a drain of another of said transistors, the first output and the second output.

- (Original) The method of claim 25, wherein the first evaluation block and second evaluation block have corresponding stacks that have the same number of transistors.
- 27. (Previously presented) The method of claim 25, wherein the method further comprises:

receiving a clock having a precharge phase and an evaluation phase;

providing precharge values at the first output and at the second output during said precharge phase; and

providing the compliment carry generate value at the first output and the carry generate value at the second output during the evaluation phase.

- 28. (Original) The method of claim 27, wherein the method further comprises preventing current from passing through the current input during the precharge phase and enabling current to pass through the current input during the evaluation phase.
  - 29. (Original) The method of claim 28, wherein the method further comprises: providing the output from the first evaluation block to a keeper; providing the output from the second evaluation block to a keeper; and

providing the carry generate true output and carry generate compliment output during the evaluation phase based upon output from the first evaluation block, second evaluation block, and the keeper.

- (Original) The method of claim 25, wherein the inputs received and outputs provided are symmetrical.
- 31. (Previously presented) The method of claim 25, wherein the first evaluation block has three stacks of transistors, and wherein the second evaluation block has three stacks of transistors.

### 32. (New) An apparatus comprising:

a first output to provide a precharge value during a precharge phase and a true carry generate value during an evaluation phase;

a second output to provide the precharge value during the precharge phase and the compliment of the true carry generate true during the evaluation phase;

a current input;

a first evaluation block connected to the current input and the second output and having a plurality of transistors, wherein a number of said transistors are connected in a parallel relationship and a number of said transistors are connected in a serial relationship, wherein the first evaluation block comprises a first transistor with a drain connected to the second output, a second transistor with a drain connected to the source of the first transistor and a source connected to the current input, a third transistor with a drain connected to the second output, a fourth transistor with a drain connected to the source of the third transistor and a source connected to the current input, and a fifth transistor with a drain connected to the second output and a source connected to the drain of the fourth transistor; and

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a second evaluation block connected to the current input and the first output and having a plurality of transistors, wherein the second evaluation block has the same number of transistors connected in a parallel relationship as the first evaluation block and the same number of transistors connected in a serial relationship as the first evaluation block wherein the circuit further comprises a clock input to receive a clock having precharge and evaluation phases and further wherein the gates of the first transistor and third transistor are connected to a first of the true inputs, the gates of the second transistor and fifth transistor are connected to a second of the true inputs, and the gate of the fourth transistor is connected to a third of the true inputs.

- 33. (New) The apparatus of claim 16, wherein the precharge block comprises a first precharge transistor connected to a second current input and a second precharge transistor connected to a third current input, and wherein the first and second precharge transistors each have a gate connected to the clock.
- 34. (New) The apparatus of claim 17, wherein the apparatus further comprises a keeper connected to each of the first output, second output, first evaluation block, and second evaluation block
- 35. (New) The apparatus of claim 18, wherein the transistors in the first evaluation block and second evaluation block are N-channel metal-oxide semiconductor (NMOS) transistors, wherein first and second precharge transistor are P-channel metal-oxide semiconductor (PMOS) transistors, and wherein the keeper comprises two PMOS transistors.